



SANTA CLARA UNIVERSITY

Department of Mechanical Engineering

Mechanical Engineering Seminar Series

Printing the Next Revolution - Materials, Software and Additive Manufacturing

Pete Woytowitz
Arevo Labs

Date: Wednesday, February 22, 2017

Time: 4:00 – 5:00 pm

Location: Bannan Engineering, EC 326

Abstract

Additive manufacturing encompasses many different materials and technologies. Pete's talk will focus on leveraging the capabilities of 3D printing of carbon fiber reinforced polymer material. He will illustrate how the combination of materials technology, structural analysis and design optimization along with advanced materials modeling can continue to drive the revolution in 3D printing.

Biography

Pete Woytowitz leads the algorithms and modeling group at Arevo Labs which is printing the next revolution using advanced materials, software and additive manufacturing technology. Pete's specializations include software development, modeling and optimization including thermal, stress and materials modeling. Prior to joining Arevo Labs he was director of computational modeling at Lam Research. He has also worked at Failure Analysis Associates, Loral Space Systems and Boeing Commercial Airplane Company. Pete is an Adjunct Professor at Santa Clara University and a CA registered Professional Engineer. He has degrees from University of Maryland, Stanford University and Santa Clara University where he received his Ph.D. in Mechanical Engineering. He has been awarded 3 U.S. Patents and has over 40 papers in the open literature.